

```
SCAN_TEST =  
    pattern = 0;  
    apply "grp1 load" 0 =  
        chain "chain 0" =  
"11111101011100001111100011100110110101000001010010\  
10001100000111000110100001101001110010001010011110\  
11011100011000010001100011110010001001010100000011\  
10101010010011001011011001011001100100000110010010\  
01110100000000111101111011001100111010111011010010\  
0010011111001010110100001001100000011000011101101\  
1010111011011010001101100111001000110100011011100\  
1010111100100000001110110010000110011000011111000\  
000100100010101100111011100011111111100111100111\  
0101100011100111110100011000111101110111001110011\  
0010001101010110010101011100010101010111010011000\  
0011011111011101110111001110100010010001000011111\  
111011000100111011011100111011111101101100110011\  
1111011100011000010111110000100001110011111101111\  
0101000010000001000110101010111101001110110110100\  
01111011111011111111101001101011001110001100010100\  
1101111011110010000100001011111111110000010110011\  
10010011001110011110101000000110100101001100011010\  
1110000010101101011010100101101111111010011110001\  
00011010011111101100010100110110101011010100100110\  
10111110101011100010000100111000011000011000010111\  
01101101100000110011010011000011011000001011110110\  
11010011011110000110001001110001110110101001000110\  
110000011011111111101111011010010001101010000011\  
1011011001000101100001100010011110101011111011001\  
11110001010001000110001110011101011100001000100000\  
10110110111010010011001001110110010010100010110111\  
10011100101100110110010011000001010110101011110100\  
01010000101101101100100101011000010011011100010110\  
0011111000101011111000000100101000011011000001100\  
000111011100100001110010000010110000010110001100001",
```

Fig. 1a

```

chain "chain 1" =
"1011110010101010001111100111000110110011011001111\
01110011101001100111110110000111010101010111110110\
00111010001000110110101011010101010010010000100101\
01001010100001101001100100110110000010011000001010\
0101001110000000010101011011000011111010001010001\
01011000101011110011101100100110011110100011011000\
0011111100000011101100000001110011111011001100110\
1101110000000000100010101110000111110001101000110\
1101100100000001100011101000101110111001101010111\
000100010101101100100111111011001000001111110000\
11100100011101110011011001011011000110111011001100\
00110001100010110111101001011101011100001011010010\
00011011010100111101001001011010100111011000110101\
0101000000110011010000001111110010010100000110001\
0000011101011011000010100011100011001110100010101\
0100001000000000011011110001001001100101000000111\
0101000111010100000100010000011000011000001010101\
1010001101101111000000110000011011001001110111110\
0100100010110100010111011011110100000011010000010\
10001101111100100001110101101101101000011101110\
1011000010100011010011110110010010001111010001111\
00101011110000001111011101110101000110100010001\
0001001100111011010000110111000010100111011110110\
110000011001011101101101101101111010110100000111\
0100111011000111111100001001110001100110001011000\
101011101011010101000000101000101111110111011101\
10001110010010100100001101001101100011001011110101\
0100001000000011110100011101100010010000000101001\
1111110100110001011011110101000001010001110000001\
1100101000110110010010110110110001101111110011010\
0111110001111111000001001100011011101100000";

```

FIG. 1b

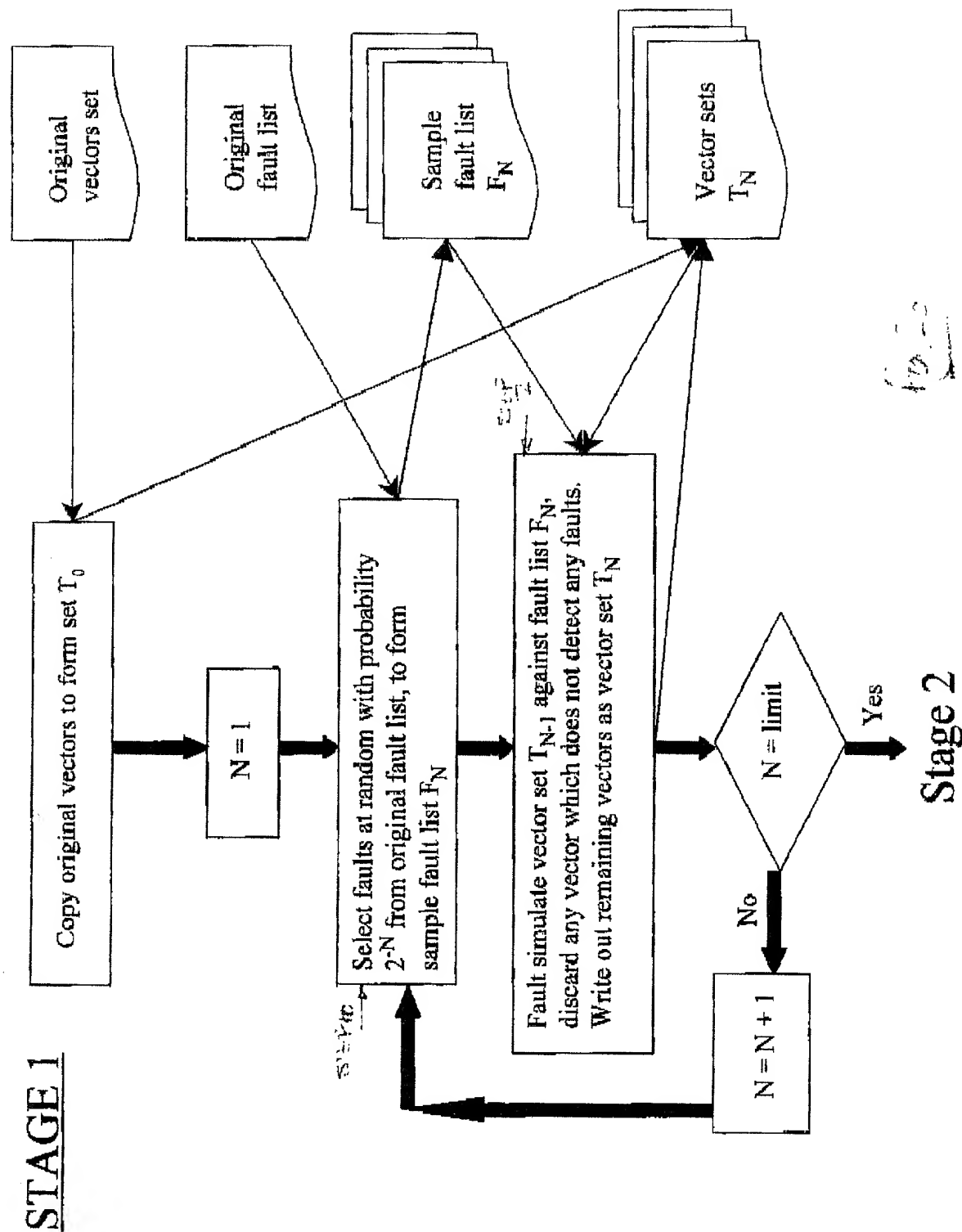
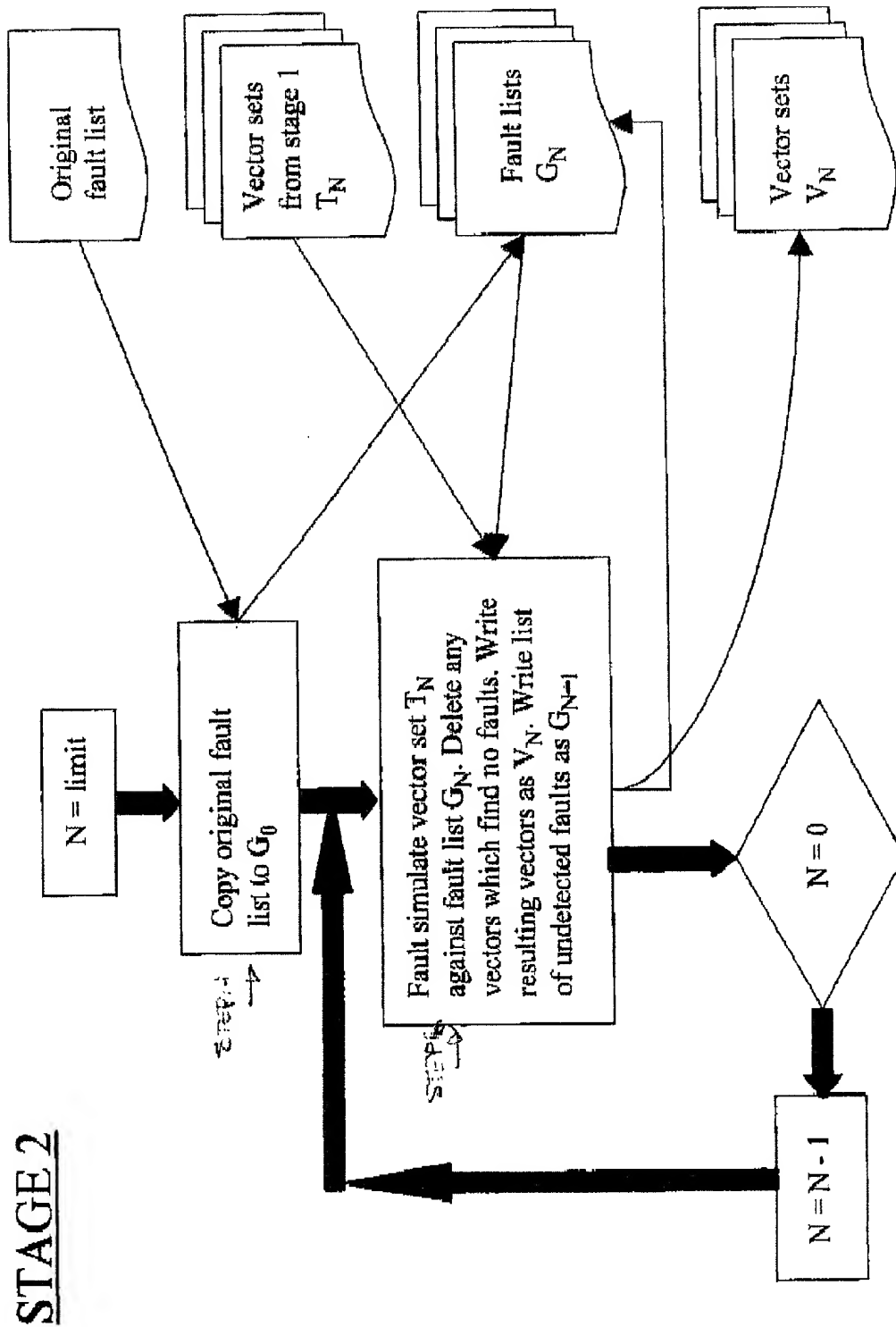


Fig 2a



for file
Fig 2 b

STAGE 3

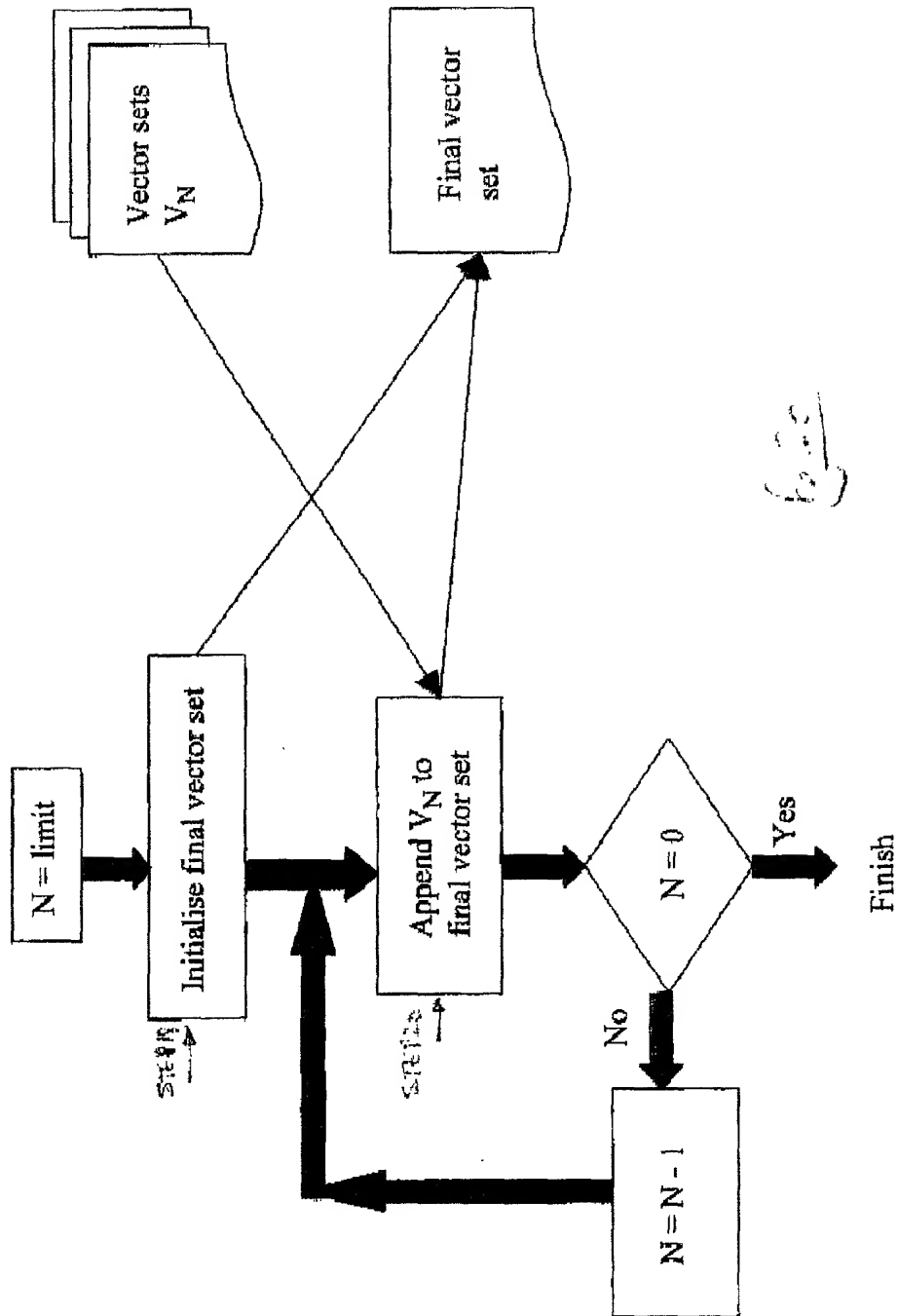


Fig 2:

Key to flow diagrams

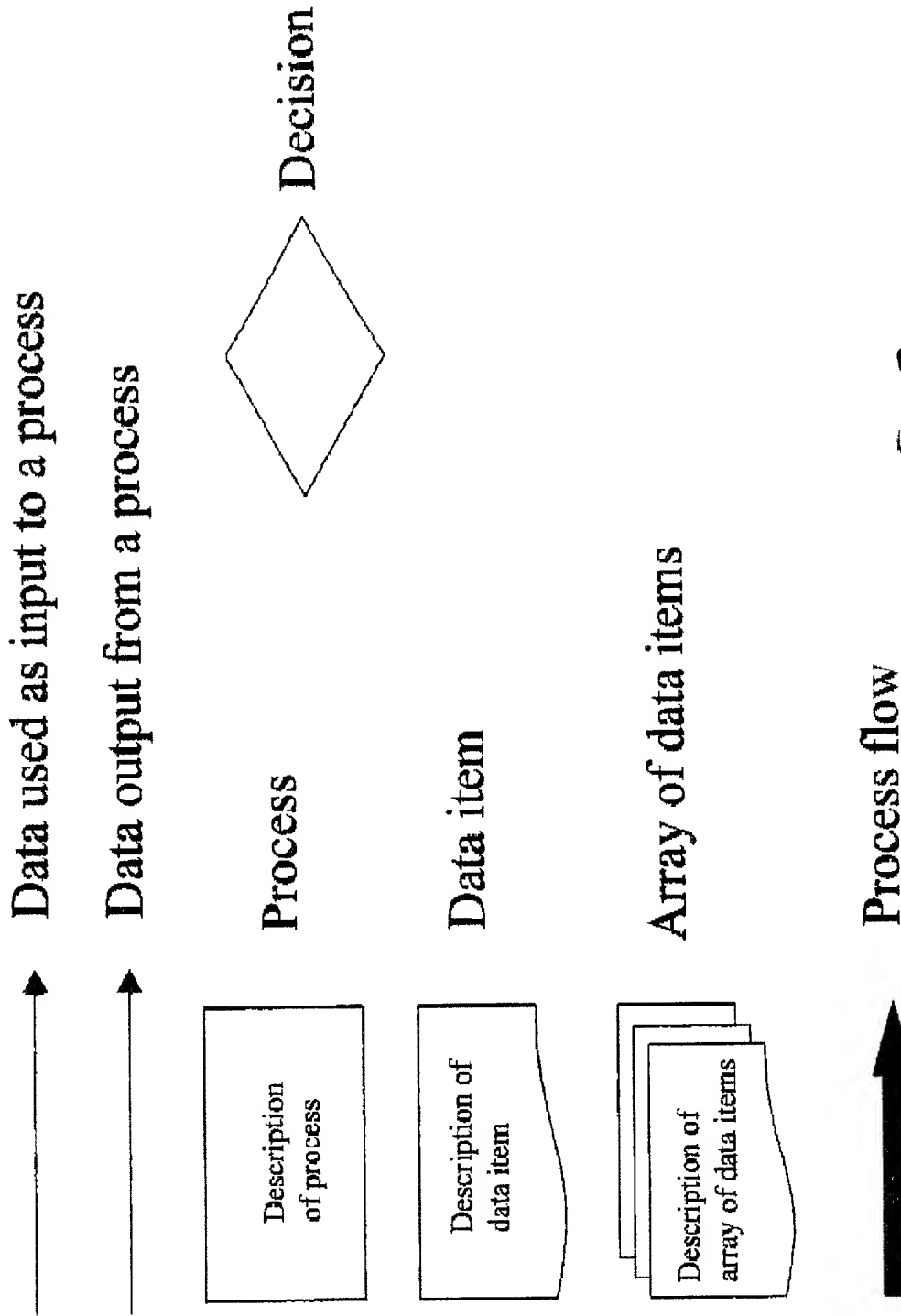
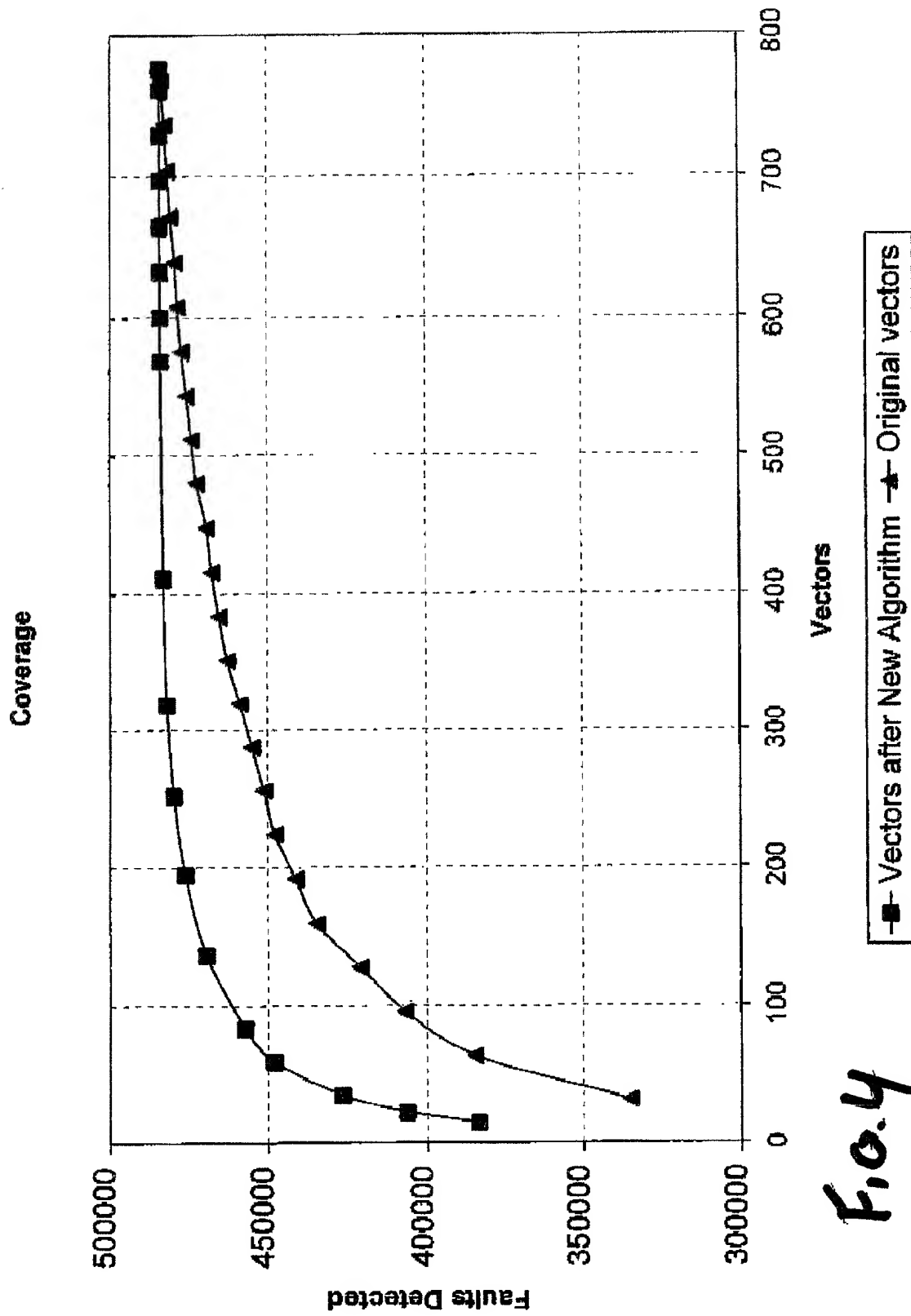


Fig 3



F.O.4